Name of Work: Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 98, Symayanagar of Telangana Zone

WORK SLIP STATEMENT

Telangana Project Division

Sl.No	Description of work	Unit	Anticipated final qty		As per Bill of quantities			Quantity up to 120%			Quantity above 120%			Excess		Remarks
			Est Qty	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Amount		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
6	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS.(BCSR 2016-2017, Page 101, Item No 14.6)	Sqm	318.15	347836.58	225.40	1090.31	246432.07	281.75	1090.31	307240.05	35.40	1090.31	38796.48	111404.50		
8	KSRB 4-1 .6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(BCSR 2016-2017, Page 12, Item No 4.6)	Sqm	159.79	1042241.13	61.40	6522.67	400491.94	76.75	6522.67	500614.92	80.04	6522.67	541626.21	641745.19		
11	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.3)	Sqm	933.00	737079.33	747.00	790.01	590137.47	933.00	790.01	737079.33		790.01	0.00	146941.86		
16	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (BCSR 2016-2017, Page 25, Item No 5.26.1)	Sqm	85.19	95692.22	3.60	1123.28	4043.81	4.50	1123.28	5054.76	80.69	1123.28	90637.46	91648.42		
17	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (BCSR 2016-2017, Page 113, Item No 15.15)	Sqm	79.20	23166.79	7.20	292.51	2106.07	9.00	292.51	2632.59	70.20	292.51	20539.20	21060.72		
18	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete (BCSR 2016-2017, Page 25, Item No 5.30)	Nos	1188.00	445761.36	596.00	375.22	223631.12	745.00	375.22	279538.90	443.00	375.22	166222.46	222130.24		
19	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. (BCSR 2016-2017, Page 182, Item No 24.2)	Sqm	249.55	17950.13	101.00	71.93	7264.93	126.25	71.93	9081.16	123.30	71.93	8868.97	10885.20		
	Providing and applying Enamel Metal Painting two coats (excluding priming coat) over				684.00	98.30	67237.20	855.00	98.30	84046.50	2238.00					

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No	Description of work	Unit	Anticipated final qty		As per Bill of quantities			Quantity up to 125%			Quantity above 125%			Excess	Remarks
			Est Qty	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
37	Providing and fixing granite benches as per design, specification and fixing as per the directions of the engineer in charge.	Unit	22.00	257631.00	10.00	11710.50	117105.00	12.00	11710.50	140526.00	10.00	11710.50	117105.00	140526.00	
	Total Worl Slip Amount		1612950.75	10946851.00			10953763.00			9742064.00			1294786.00	1612958.75	
	Percentage of Work Slip		14.73%												

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{1612950.75}{10953763.00}$ x100 = 14.73%

Asst Engineer
Yelahanka Project Division
BBMP Bangalore

"WORK SLIP APPROVED"

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Yelahanka Zone
BBMP, Bangalore-92

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BRUHAT BANAGLORE MAHANAGARA PALIKE

Excecutive Engineer Yelahanka Project Division

EXTRA ITEM RATE LIST

Sl No	Item Of Work	Unit	Estimate qty	Rate in Rs. Considering as per SR 2016-17 and Approved Data Rate	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
EIRL-1	Supply and fixing of childern Multi Play Equipment with swing and toddler and tubular slide with animated roof upright structural posts of height 2.2m, 2.6m and 3.0m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm wall thickness of the tubing. The finished products must have following characteristice.Deck of size 1.45 x 1.45m and Staircase of size 1.05 m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Handrail of height 1.90m and dia 32 mm shell be all robotic welded unit. Deck of size 1.45 x 1.45m and Staircase of size 1.05 m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments.Sun Roof of size 2.0 m x 1.78 m x 0.77m, Double Slide of size 1916 mm x 1134 mm x 1987 mm, Tube Slide of size 2160 mm x 1042 mm x 2300 mm, Shrimp Slide of size 1635 mm x 1107 mm x 1888 mm Panels. Roofs and panels are copyrighted and IP protected worldwide. Top rails Of Swing of size 3.2 m x 1.14 m are all robotic welded systems, fabricated from 114 O.D. and thickness of 2.2 mm galvanized steel pipes with a baked on powder coat finish. The rates are to be inclusive of supply and installation at site.Includng floor is Spreaded with Sand, Inclusive of All Taxes and Transportation Charges	Each	1.00	1067492.00	1067492.00	Additonal Item	No	-	No	
EIRL-2	0334 Sand/ Artificial Sand/ Manufactured Sand	Cum.	34.50	1887.00	65101.50	Additonal Item	No	-	Yes	
EIRL-3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	100.80	351.25	35406.00	Additonal Item	No	-	Yes	

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Sl No	Item Of Work	Unit	Estimate qty	Rate in Rs. Considering as per SR 2016-17 and Approved Data Rate	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
EIRL-4	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	Sqm	367.20	91.11	33456.59	Additonal Item	No	-	Yes	
EIRL-5	Providing precast slab of 100mm thick including cost of all aterials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer	Sqm	183.60	2337.00	429073.20	Additonal Item	No	-	No	
	TOTAL EIRL AMOUNT				**1630528.00**					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{1630528.00}{10953763.00} \times 100 = 14.89\%$

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BRUHAT BANAGLORE PALIKE

Excecutive Engineer Yelahanka Project Division

Rate Analysis as per PWD BR Circle

RATE ANALYSIS-SR 2016-17 & as per Approved Data Rates

Sl. No	Particulars	Unit	SR 2016-17	Page No.	Item No.	Basic Rate	Lead for 14.0km	Area Weightage at 8%	Total Rate in Rs.	Add TP of -11.00%	Total Rate in Rs.
6	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS.(BCSR 2016-2017, Page 101, Item No 14.6)	Sqm	PWD	101	14.6	912.00		72.96	**984.960**	0.1100	1093.31
8	KSRB 4-1 .6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(BCSR 2016-2017, Page 12, Item No 4.6)	Cum	PWD	12	4.6	5441.00		435.28	**5876.280**	0.1100	6522.67
16	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (BCSR 2016-2017, Page 25, Item No 5.26.1)	Sqm	PWD	25	5.26.1	937.00		74.96	**1011.960**	0.1100	1123.28
17	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (BCSR 2016-2017, Page 113, Item No 15.15)	sqm	PWD	113	15.15	244		19.52	**263.520**	0.1100	292.51

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Sl. No	Particulars	Unit	SR 2016-17	Page No.	Item No.	Basic Rate	Lead for 14.0km	Area Weightage at 8%	Total Rate in Rs.	Add TP of -11.00%	Total Rate in Rs.
18	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (BCSR 2016-2017, Page 25, Item No 5.30)	Nos	PWD	25	5.30	313		25.04	338.040	0.1100	375.22
19	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. (BCSR 2016-2017, Page 182, Item No 24.2)	Sqm	PWD	182	24.2	60.00		4.80	64.800	0.1100	71.93
20	Providing and applying Enamel Metal Painting two coats (excluding priming coat) over new steel or other metal surfaces brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, with materials, labour complete as per specifications. (BCSR 2016-2017, Page 182, Item No 24.1)	Sqm	PWD	182	24.1	82.00		6.56	88.560	0.1100	98.30
37	Providing and fixing granite benches as per design, specification and fixing as per the directions of the engineer in charge.	Cum.	Data rate	-	-	11710.50		-	-	-	11710.50

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Sl. No	Particulars	Unit	SR 2016-17	Page No.	Item No.	Basic Rate	Lead for 14.0km	Area Weightage at 8%	Total Rate in Rs.	Add TP of -11.00%	Total Rate in Rs.
EIRL-1	Supply and fixing of childern Multi Play Equipment with swing and toddler and tubular slide with animated roof upright structural posts of height 2.2m, 2.6m and 3.0m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm wall thickness of the tubing. The finished products must have following characteristice.Deck of size 1.45 x 1.45m and Staircase of size 1.05 m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Handrail of height 1.90m and dia 32 mm shell be all robotic welded unit. Deck of size 1.45 x 1.45m and Staircase of size 1.05 m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments.Sun Roof of size 2.0 m x 1.78 m x 0.77m, Double Slide of size 1916 mm x 1134 mm x 1987 mm, Tube Slide of size 2160 mm x 1042 mm x 2300 mm, Shrimp Slide of size 1635 mm x 1107 mm x 1888 mm Panels. Roofs and panels are copyrighted and IP protected worldwide. Top rails Of Swing of size 3.2 m x 1.14 m are all robotic welded systems, fabricated from 114 O.D. and thickness of 2.2 mm galvanized steel pipes with a baked on powder coat finish. The rates are to be inclusive of supply and installation at site.Includng floor is Spreaded with Sand, Inclusive of All Taxes and Transportation Charges	Nos	Data rate	-	-	1067492.00		-	-	-	1067492.00
EIRL-2	0334 Sand/ Artificial Sand/ Manufactured Sand	Cum.	PWD	II		1700.00			1700.000	0.1100	1887.00
EIRL-3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	PWD	15	4.31	293.00		23.44	316.440	0.1100	351.25
EIRL-4	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	Sqm	PWD	25	5.33	76.00		6.08	82.080	0.1100	91.11
EIRL-5	Providing precast slab of 100mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer	Sqm	Data rate	-	-	2337.00		-	-	-	2337.00

Asst. Executive Engineer

Executive Engineer
Project Division

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